

YOR9-2001-0335  
Amendment dated 11/27/2007

09/917,818

00280706aa  
Reply to office action mailed 08/27/2007

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

- 1           1. (previously amended) A method for identifying a cost-minimizing bid set
- 2           for reverse combinatorial auctions where all-or-nothing bids are allowed, said
- 3           method comprising:
- 4                 receiving a plurality of bids, each bid having a timestamp, a bid price
- 5           and item information identifying at least one bid item;
- 6                 introducing a decision variable for each bid;
- 7                 introducing a counting variable to indicate whether bids from a
- 8           supplier are chosen in an optimal bid set;
- 9                 modeling demand constraints for each item using the decision variable
- 10          for each bid;
- 11                 modeling minimum and maximum numbers of suppliers based on the
- 12          counting variables;
- 13                 introducing dummy bids, based on said modeled demand constraints,
- 14          to ensure computability of a cost-minimizing bid set meeting said modeled
- 15          demand constraints;
- 16                 formulating an objective of choosing bids that arrive early, for a given
- 17          cost, based on an additional timestamped objective with the given cost level
- 18          as a constraint;
- 19                 introducing price modifications to at least one of said bid's respective
- 20          item information and adjusting, based on said price modifications, the
- 21          formulated objective of choosing bids that arrive early, and
- 22                 generating a winner of the reverse combinatorial auction, by selecting
- 23          the cost-minimizing bid set from among said plurality of bids, the selecting

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24        based on said time stamps, said bid prices, said item information, said  
25        formulated objective of choosing bids that arrive early, and said modeled  
26        demand constraints.

1        2. (original) The method of claim 1, wherein the auction is a single-round  
2        auction.

1        3. (original) The method of claim 1, wherein the auction is a multiple-round  
2        auction.

1        4-11. (canceled)